

ATTACHMENT J1

# Forbes Field (ANG) Water Distribution System

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# J1 Forbes Field (ANG) Water Distribution System

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## J1.1 Forbes Field (ANG) Overview

The 190<sup>th</sup> Air Refueling Wing (ARW) of the Kansas Air National Guard (KANG) occupies 215 acres on the south side of Topeka Airport, located approximately 5 miles south of downtown Topeka, Kansas. The mission of the 190<sup>th</sup> ARW is to “Provide a professional trained militia, ready to serve community, state and nation”. The unit currently flies the KC-135E/D Stratotanker. The 190<sup>th</sup> ARW occupies 7 administrative facilities, 16 industrial facilities, and 2 services facilities totaling approximately 523,100 square feet with 323 full time personnel. Unit training drills conducted once a month result in a surge of up to a total of 1152 personnel.

## J1.2 Water Distribution System Description

### J1.2.1 Water Distribution System Fixed Equipment Inventory

The Forbes Field (ANG) water distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, pipelines, valves, fire hydrants, and meters. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the water distribution system privatization are:

- Lawn sprinkler systems

- Fire Suppression systems

- 2inch water main crossing the base supplying water to the Metropolitan Topeka Airport Authority (MTAA) facilities

#### J1.2.1.1 Description

The Forbes Field (ANG) water is supplied by MTAA and enters the base at four points. The configuration is looped, with water delivered at 62-65 psig. The distribution system consists of approximately 19,200 linear feet of PVC pipe, and 1,300 linear feet of ductile iron pipe. Piping diameter ranges from two to eight inches. Piping is buried at an average depth of 5 feet without the use of tracer wire or marking tape. The system also has 53 cast iron gate valves, and 49 fire hydrant assemblies, and 14 water meters. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J1.2.1.2 Inventory

Table 1 provides a general listing of the major water distribution system fixed assets for the Forbes Field (ANG) water distribution system included in the sale.

TABLE 1  
Fixed Inventory  
Water Distribution System Forbes Field (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in.)			
	2	282	LF	1991
	3	378	LF	1991
	4	248	LF	1991
	4	198	LF	2000
	6	3752	LF	1991
	6	1064	LF	1993
	8	13273	LF	1991
Ductile Iron Pipe	(in.)			
	4	412	LF	1979
	6	840	LF	1979
Valves (Cast Iron, Gate)	(in.)			
	4	1	EA	2000
	6	1	EA	1991
	6	4	EA	1979
	8	43	EA	1991
	8	4	EA	1993
Fire Hydrant Assemblies	(in)			
	6	4	EA	1979
	6	40	EA	1991
	6	5	EA	1993
Water meters (See J1.5.1 For complete description)	(in)			
	1.5	4	EA	1991
	1.5	1	EA	1997
	2	8	EA	1991
	3	1	EA	1991
Notes:				
PVC = Polyvinyl Chloride				

Item	Size	Quantity	Unit	Approximate Year of Construction
EA = Each				
IN=Inches				
LF = Linear Feet				

J1.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and Table 3 lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2  
Spare Parts  
Water Distribution System Forbes Field (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3  
Specialized Vehicles and Tools  
Water Distribution System Forbes Field (ANG)

Description	Quantity	Location	Maker
None			

J1.2.3 Water Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4  
Manuals, Drawings, and Records  
Water Distribution System Forbes Field (ANG)

Qty	Description	Remarks
1	Water Utility System Maps (electronic copy), Aug 2000	AutoCAD Release V 14
1	Water Distribution System, Profile, Feb 1992, 4 sheets	
1	Water Distribution System, Feb 1961, 10 sheets	

J1.3 Specific Service Requirements

The service requirements for the Forbes Field (ANG) water distribution system are as defined in the Section C, Description/Specifications/Work Statement.

## J1.4 Current Service Arrangement

Provider Name: Metropolitan Topeka Airport Authority

Average Annual Usage (2000): 4600 kGal

Maximum Monthly Use (July): 2000 kGal

Minimum Monthly Use (Dec): 150 kGal

## J1.5 Secondary Metering

### J1.5.1 Existing Secondary Meters

**Table 5** provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J1.6 below.

**TABLE 5**  
Existing Secondary Meters  
Water Distribution System Forbes Field (ANG)

Meter Location (Building)	Meter Description (Type)
662	Neptune, 2”
662	Neptune Triseal, 3”
665	Neptune Triseal, 2”
666	Neptune Triseal, 2”
668	Neptune Triseal, 1.5”, 1997
670	Neptune Triseal, 2”, 1991
673	Neptune Triseal, 2”, 1991
679	Neptune Triseal, 1.5”, 1991
750	Neptune Triseal, 2”, 1991
760	Neptune Triseal, 2”, 1991
770	Neptune Triseal, 1.5”, 1991
775	Neptune Triseal, 2”, 1991
780	Neptune Triseal, 1.5”, 1991
2000	Neptune Triseal, 1.5”, 1991

### J1.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J1.6 below.

**TABLE 6**  
New Secondary Meters  
Water Distribution System Forbes Field (ANG)

Meter Location	Meter Description
Mobility Building 55060	2-inch meter

**J1.6 Monthly Submittals**

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW paragraph G.2). The Contractor’s monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25<sup>th</sup> of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor’s monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25<sup>th</sup> of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all identified secondary meters. The Contractor’s monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15<sup>th</sup> of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

**J1.7 Water Conservation Projects**

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for conservation purposes: None.

**J1.8 Service Area**

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Forbes Field (ANG) boundaries.

**J1.9 Off-Installation Sites**

No off-installation sites are included in the sale of the Forbes Field (ANG) water distribution system.

**J1.10 Specific Transition Requirements**

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

**TABLE 7**  
Service Connections and Disconnections

Water Distribution System Forbes Field (ANG)

Location	Description
None	

J1.11 Government Recognized System Deficiencies

**Table 8** provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Forbes Field (ANG) water distribution system. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

**TABLE 8**  
System Deficiencies  
Water Distribution System Forbes Field (ANG)

Project Location	Project Description
None	